

## Claims

1. A piezoelectric actuator, having
  - a multilayer construction of piezoelectric layers (2) and inner electrodes (3, 4; 10, 13) disposed between them, and
  - an alternate-side lateral contacting of the inner electrodes (3, 4; 10, 13) with outer electrodes (9; 19, 20), characterized in that
  - the individual inner electrodes (10, 13) are rounded at the corners (11) formed by the cut edges.
2. The piezoelectric actuator according to claim 1, characterized in that
  - the corners (11) each have a chamfer (16); and that the corners of the chamfers are each rounded.
3. The piezoelectric actuator according to claim 1 or 2, characterized in that
  - the rounded features (12; 17) each have a rounding radius of at least 20  $\mu\text{m}$ .
4. The piezoelectric actuator according to one of the foregoing claims, characterized in that
  - the piezoelectric actuator (1) can be used for actuating a mechanical component, such as a valve or the like.